

Jan 4-7:20 AM

Feb 18-6:50 AM

Welcome!!!

SECA Physics
Friday 29 April 2016

H. Leslie Grebe

- * Pick up:
 - half slip
 - blue note sheet
 - slip of paper (for later)

Opening Questions:

What makes different things sound different?

TIGHTER/LOOSER
WAVELENGTH

Centering

Sep 7-7:04 AM

Tap things and make observations about sounds:

How are they different?

- Make some notes on your own ^{AT LEAST 5} WORDS
- Discuss thoughts with others at your table
- Share with whole class

BOMP ^{CLINK} CLICK/CLACK/TACK LOUD
ECHO-Y PITCH - HIGH QUIET
 LOW HOLLOW
 DENSE

Apr 21-7:45 AM

Pennies:

Sort them by sound?

Observations? Theories?

1982
 95% Cu | Zn CORE
 5% Zn | Cu COATING

Apr 12-7:13 AM

Natural Frequency:

The frequency an *elastic* object vibrates most easily

Harder objects are more elastic

Tuning Forks -- labeled with their natural frequency

Strike only with erasers!

- listen "DING" → RINGS
- touch it gently to your cheek
- touch it to ~~the table~~ SOMETHING HOLLOW

Observations? ~~FREQ:~~ 288 Hz 512 Hz 341.3 Hz
 MUSIC D C F

Apr 21-9:24 AM

Acoustic and Electric Guitar

Raise your hand if you can hear the note.

TUNING FORK

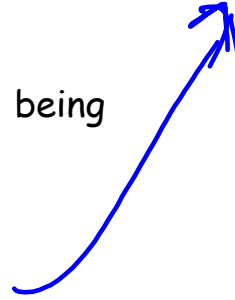
ON GUITAR
LOUDER

(IN AIR)
VS. NOT ON GUITAR
QUIETER

GUITAR BODY
= FORCED VIBRATIONS

Forced Vibrations: When an object is being forced to vibrate at another object's natural frequency

Which will vibrate longer?



May 3-7:50 AM

Daily 3 Questions

- * Every day except test/project days
- * 3 Questions on the topics of the day
- * Main source of daily points
- * I am happy to give credit when I have no concerns about someone giving or getting help with the answers.

You can't get your points if you don't have your **NAME!!!**

Name	Period
1.	
2.	
3.	

Sep 9-7:32 AM

- 1) The frequency an elastic object vibrates most easily.
☒ A) Natural Frequency
B) Forced Vibration
C) Interference

- 2) When an object is forced to vibrate at a different objects natural frequency
A) Natural Frequency
☒ B) Forced Vibration
C) Interference

- 3) The label on a tuning fork tells you its
☒ A) Natural Frequency
B) Forced Vibration
C) Interference

Apr 25-7:25 AM